**ABSTRACT OF THE DISCLOSURE**

An intravenous catheter introducing device includes a needle hub inserted into and axially slidable relative to an inner barrel wall surface of a barrel. The needle hub holds a needle cannula and permits the cannula to extend forwardly of the barrel for ready use. A catheter connection assembly is detachably sleeved on a front smaller-diameter wall portion of the barrel and permits a tip end of the needle cannula to project forwardly of a tubular cannula of the assembly. A releasably retaining member includes a retaining hole formed in a rear larger-diameter wall portion of the barrel, and a radially extending engaging peg engageable in the hole. Operation of an actuator mounted on the peg can disengage the peg from the hole so as to permit axial movement of the needle hub for drawing the needle cannula within the barrel.